Supplementary Table 2: Associations between sociodemographic and clinical co-variables and health care cost

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Medical cost [€] | | Formal care cost [€] | | Cost of anti-dementia drug treatment [€] | | Cost of non-medication treatment and care [€] | |
|  | b (SE) | *p* value | b (SE) | *p* value | b (SE) | *p* value | b (SE) | *p* value |
| Dementia diagnosis *(Ref. without)* | -1,454 (674) | **0.050** | -331 (598) | 0.580 | 171 (82) | **0.037** | -176 (469) | 0.708 |
| Age | -226 (84) | **0.008** | 36 (47) | 0.444 | -12 (7) | 0.064 | 60 (37) | 0.107 |
| Sex *(Ref. female)* | 227 (703) | 0.746 | 466 (439) | 0.289 | 23 (65) | 0.727 | 257 (385) | 0.504 |
| Cognitive impairment *(MMST-value)* | 152 (90) | 0.090 | -21 (60) | 0.729 | -10 (7) | 0.135 | -8 (55) | 0.887 |
| Activities of daily living *(B-ADL)* | 930 (276) | **0.001** | 533 (160) | **0.001** | 42 (17) | **0.013** | 329 (128) | **0.010** |
| Number of ICD-10 diagnoses | 36 (64) | 0.577 | 55 (40) | 0.166 | -1 (6) | 0.985 | 60 (37) | 0.108 |
| Depression *(GDS)* | 61 (192) | 0.751 | 6 (99) | 0.954 | -22 (14) | 0.101 | 13 (92) | 0.890 |
| Intercept† | 16,305 (6,128) | **0.008** | -3,652 (4,138) | 0.377 | 1,327 (561) | **0.018** | -5101 (3175) | 0.108 |
| R2 within | 0.114 | - | 0.134 | - | 0.154 | - | 0.099 | - |
| R2 between | 0.141 | - | 0.252 | - | 0.085 | - | 0.182 | - |
| R2 overall | 0.124 | **0.003** | 0.168 | **0.001** | 0.099 | **0.002** | 0.111 | 0.108 |
| N | 240 | - | 240 | - | 240 | - | 240 | - |

Linear mixed models with random effects for general practitioner adjusted for sex, age, living situation, number of ICD-10 diagnosis, severity of dementia (MMST-value), activities of daily living (B-ADL), depression (GDS); standard errors were estimated with a nonparametric bootstrapping (2.000 replications)

b, observed coefficient

Ref., reference

SE, standard error

ICD, International Statistical Classification of Diseases and Related Health Problems

MMST, Mini-Mental Status-Test

B-ADL, Bayer-Activities of Daily Living Scale

GDS, Geriatric Depression Scale